With over 20 years of experience, Mindray hosts a wide range of ultrasound imaging solutions including cart-based and portable systems. Being exported to over 190 countries, Mindray ultrasound systems are today being used by medical professionals for general as well as highly dedicated clinical utility. With a global R&D base spanning over Asia, Europe and America, the ultrasound solutions by Mindray are a result of an integral cooperation with the medical community, allowing for the ultrasound systems to be extremely user centric in terms of performance and usability. Mindray is well positioned to become one of the leading ultrasound imaging solutions provider.

mindray
healthcare within reach

DC-8

Diagnostic Ultrasound System

Inspiration
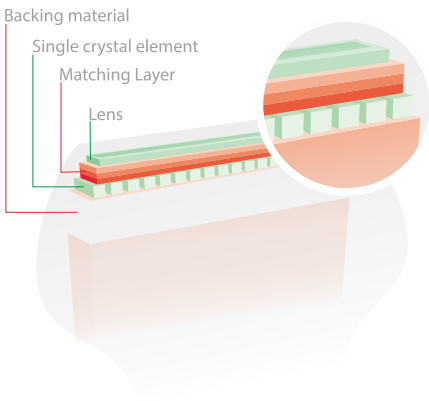beyond
your expectation

mindray

To meet the growing demands of challenging exams, DC-8 development constantly pushes ahead in the pursuit of cutting-edge technology and intelligent tools to help you easily master a wide range of clinical scenarios. With a well-balanced combination of technology and functionality, the DC-8 provides exceptional performance across a range of care areas. With a particular focus on innovations for OBG, the system delivers advanced features to fulfill all the expectations of obstetricians and gynecologists.

Visualize More

The DC-8 incorporates unique transducer technology and superb signal processing algorithms to produce optimized images with minimal user involvement.
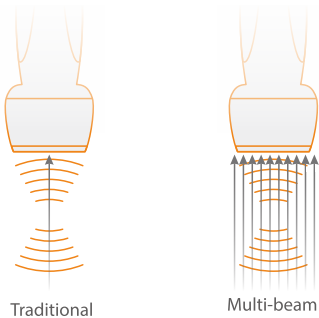
3T Transducer Technology™

Mindray's patented transducer technology is designed to increase image bandwidth and transmission efficiency
- Triple-matching layer design for higher sensitivity, wider bandwidth, and improved Signal-Noise ratio
- Total-cut design for lower cross-talk noise, better directionality, and improved lateral resolution
- Thermal-control design for better acoustic transmission

Backing material
Single crystal element
Matching Layer
Lens

Multi-beam Formation

Multi-beam formation allows for up to 12 times beam reception capacity for each transmitted beam, thus providing superb temporal resolution.

Traditional   Multi-beam

HR Flow

Innovative technology improves the visualization of tiny vessels and complex flow patterns, benefitting from Mindray's exclusive processing algorithm.

Traditional

HR Flow Color

Accomplish more

OBG

With a full range of dedicated 3D/4D functionality, the DC-8 facilitates a more professional OBG diagnosis, as the industry's leading-edge innovations improve exam accuracy and confidence. Comprehensive imaging solutions like trans-vaginal elastography and contrast provide better diagnostic capability even for complicated pathologies.
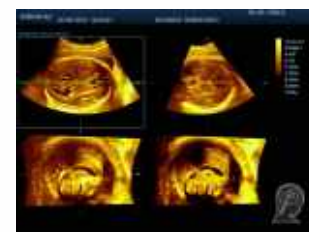
Smart MSP

With Mindray's exclusive algorithm, Smart MSP (Middle Sagittal Plane) automatically displays accurate fetal brain anatomy at the middle saggital plane in 3D, resulting in quick and easy viewing of the corpus callosum and cerebellar vermis.

SCV[+]

SCV[+] (Slice Contrast View plus) displays virtual 'unfolding' and 'stretching' of complex anatomical structures in a curvilinear section with enhanced contrast resolution for the plane defined by an arbitrary curve.

iLive

A revolutionary way to obtain an amazingly realistic view of fetus with human skin-like color and depth perception.

Middle Sagittal Plane

Uterus Bicornis

Follicle Calculation

Smart FLC

Smart FLC (Follicle) automatically detects the number of follicles and calculates the volume from a 3D volume image, assuring accurate assessment of follicles, especially for IVF exam.

Trans-vaginal Elastography

Provides multiple relative strain parameters of cervix, uterus and ovary lesions, enhancing the diagnosis with excellent sensitivity and reproducibility.

Trans-vaginal Contrast Imaing

Demonstrates blood supply parameters to aid evaluation of the maternal placental surface and accurate identification of ovary pathology.
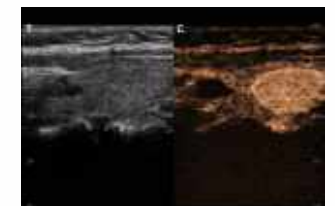
Radiology

With the DC-8, you now have the power to easily handle a comprehensive range of clinical exams, including abdominal, small parts, and vascular. Advanced imaging technology together with dedicated features combine to maximize your diagnostic confidence.
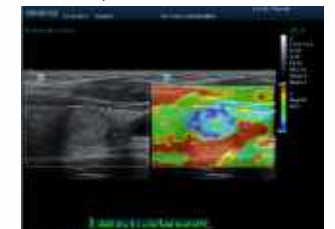
UWN Contrast Imaging

UWN (Ultra-Wideband Non-linear) Contrast Imaging enables the DC-8 to detect and utilize both second harmonic and non-linear fundamental signals, resulting in more sensitive minor signals to significantly enhance visualization of pathological structures.

Natural Touch Elastography

Based on Mindray's latest patent technology, Natural Touch Elastography reduces dependence on the user's operational technique, improving operator reproducibility with higher stiffness sensitivity and good stability.
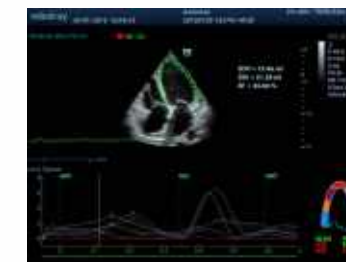

Thyroid Adenoma

Thyroid Adenoma

Cardiology

The DC-8 provides powerful processing capability for cardiovascular imaging and analysis. A wide variety of sophisticated analysis tools help assess cardiovascular anatomy and LV function with more accuracy and confidence.

TT-QA

Professional analysis tools

TT QA facilitates advanced cardiac motion tracking analysis including strain and strain rate, leading to easy recognition of global and regional LV abnormalities. LVO (Left Ventricular Opacification) is another sophisticated tool that reveal structural and functional changes of the left ventricle with clear myocardial boundary.
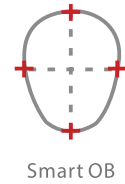
Echo Boost

Mindray's unique adaptive signal processing technology with intelligent echo detection that enhances weak echo signals while suppressing surrounding noise clutter results in a more balanced image brightness and improved visualization of myocardial tissue layers.

Relax more

Advanced auto measurement tools help you work smarter

- Auto IMT and auto PW calculations enable streamline risk assessment of vascular studies.
- Auto measurement of fetal parameters provided by Smart OB: trace and calculate the BPD, OFD, HC, AC and FL with a single click
- Smart-NT: auto-trace tube cavity edge with measurement result

Smart OB

Standard workflow protocol to improve exam consistency and efficiency

- iWorks provides a complete range of protocols for abdominal, vascular, and 38 other applications. It reduces exam time by up to 50% and key strokes by 80% over the course of daily work.

iWorks

Intelligent auto optimization achieves best imaging setting in one keystroke:
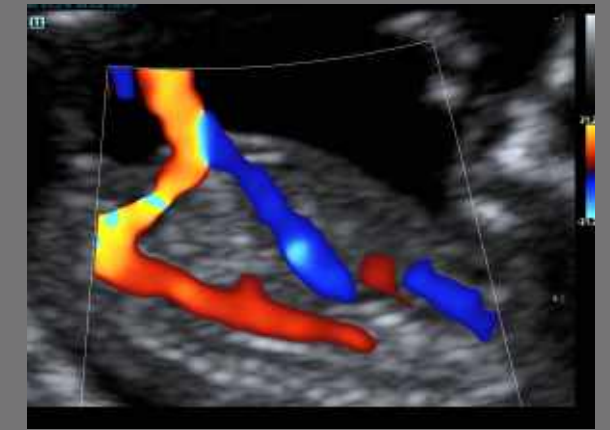
- Smart Doppler: automatically optimizes color box positioning and sample volume placement, therefore significantly reducing repetitive operations and allowing greater focus on the patient diagnosis.
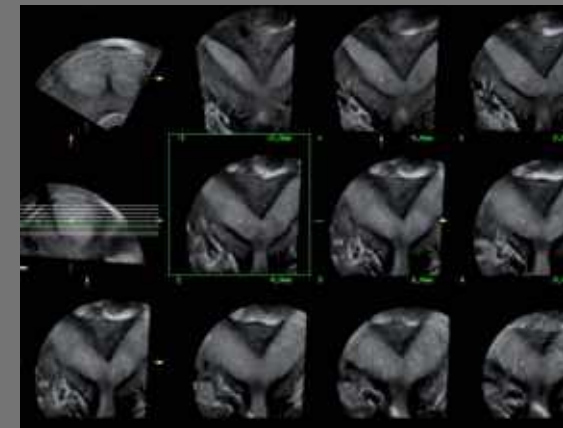
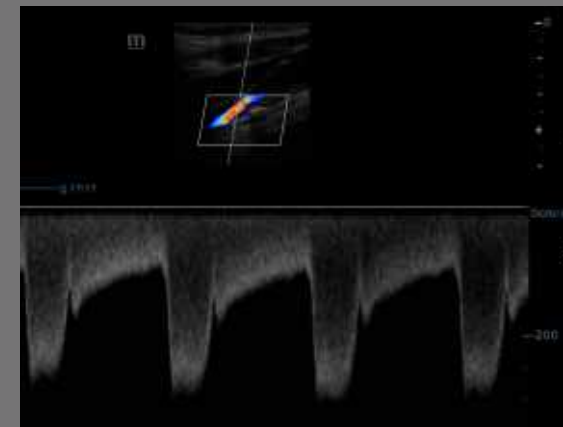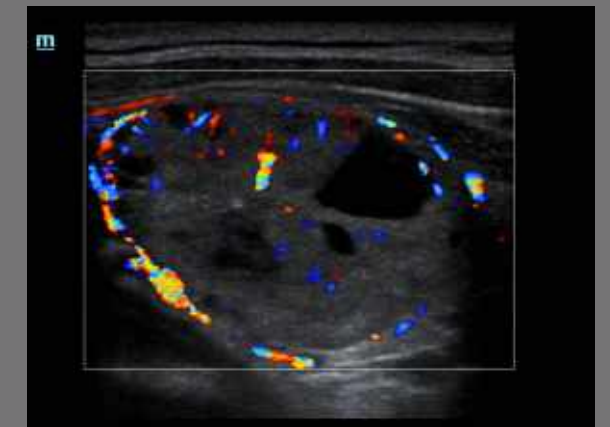Smart Doppler

Endomentrial Mass

Ductus Venosus

Uterus Bicornis with iPage$^+$

Fetal Profile with iLive

Stenosed ICA

Thyroid Adenoma

Mitral & Tricuspid Regurgitation

Tricuspid Regurgitation with CW